

ABSTRACT

Please add the following abstract:

A multistage fluid separation assembly is disclosed, which includes one or more primary gas cooling devices which each have liquefied and/or solidified condensables enriched fluid outlet, and, a secondary fluid separation vessel having a tubular vertical section. The vessel is connected to the condensables enriched fluid outlet of the primary gas cooling device(s) via a tangential conduit which injects the condensables enriched fluid tangentially into the tubular section such that a tertiary stream of liquified and/or solidified condensables is induced by gravity and centrifugal forces to swirl in downward direction alongside the inner surface of the tubular section into a liquid collecting tank at or near the bottom of the vessel for collecting a tertiary mixture of liquified and/or solidified condensables. The tank is provided with one or more heaters for heating the tertiary mixture to reduce the amount of solidified condensables, such as wax, paraffins and hydrates, and with one or more liquid outlets.